AW18*TSD Series

Air Conditioner
user manual

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Safety Precautions

The following safety precautions must be taken when using your air conditioner.

WARNING

Risk of electric shock. • Can cause injury or death. • Disconnect all remote electric power supplies before servicing, installing or cleaning.
• This must be done by the manufacturer or its service agent or a similar qualified person in order to avoid a hazard.

DURING OPERATION

- Users of this product are cautioned not to attempt repair of this product at their own discretion. Instead, they are requested to directly contact a designated service center or the outlet at which the product was purchased.
- Never spill any kind of liquid into the unit. Should this happen, unplug or main switch off the unit and contact an authorized service center.
- Do not insert anything between the air outlet blades because the inner fan may be damaged and could cause injury. Keep children away from the unit.
- Do not place any obstacles in front of the unit.
- Do not spray liquid of any kind into the indoor unit. Should this happen, switch off the breaker used for your air conditioner and contact your installation specialist.
- Make sure that the unit is correctly ventilated at all times:
  Do not place clothing or other materials over it.
- If the wireless remote control will not be used for a long time, remove the batteries. (If applicable)
- When using a wireless remote control, the distance should not be more than 7 meters from the air conditioner. (If applicable)
- The air conditioner must be plugged into its own specific power source, which must be installed in compliance with national wiring,earthing and safety regulations.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance shall be installed in accordance with national wiring regulations.
- The appliance must be installation that the plug should be easily accessible after installation.
- The appliance is fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III conditions,and these means must be incorporated in the fixed wiring in accordance with the wiring rules.
- In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be supplied through an external switching device,such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- If the fuse on PC board is broken please change it with the type of T 3.15A 250V.
- The breaker of the air conditioner should be all-pole switch; and the distance between its two contacts should be no less than 3.5mm. Such means for disconnection must be incorporation in the fixed wiring.

DISPOSING OF THE UNIT

- Before throwing out the device, it is necessary to pull back the battery cells and get rid of them safely for recycling reasons.
- When you need to dispose of the unit, consult your dealer. If pipes are removed incorrectly, refrigerant may blow out and come into contact with your skin,causing injury. Releasing refrigerant into the atmosphere also damages the environments.
- Please recycle or dispose of the packaging material for this product in an environmentally responsible manner.

OTHERS

- Never store or ship the air conditioner upside down or sideways to avoid damage to the compressor.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.Children should be supervised to ensure that they do not play with the appliance.
- Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.

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Contents

- PREPARING YOUR AIR CONDITIONER
  - Safety Precautions 2
  - Air Conditioning Unit-Main Parts and Control Panel 4
  - Getting Started 5
- OPERATING YOUR AIR CONDITIONER
  - Heating Your Room 6
  - Cooling Your Room 7
  - Airing Your Room 8
  - Switching the Air Conditioner Off 8
  - Adjusting the Air Flow Direction Horizontally 9
  - Adjusting the Air Flow Direction Vertically 9
- RECOMMENDATIONS FOR USE
  - Operating Recommendation 10
  - Temperature and Humidity Ranges 11
  - Cleaning Your Air Conditioner 12
  - Solving Common Problems 13
- METHOD OF INSTALLATION 14

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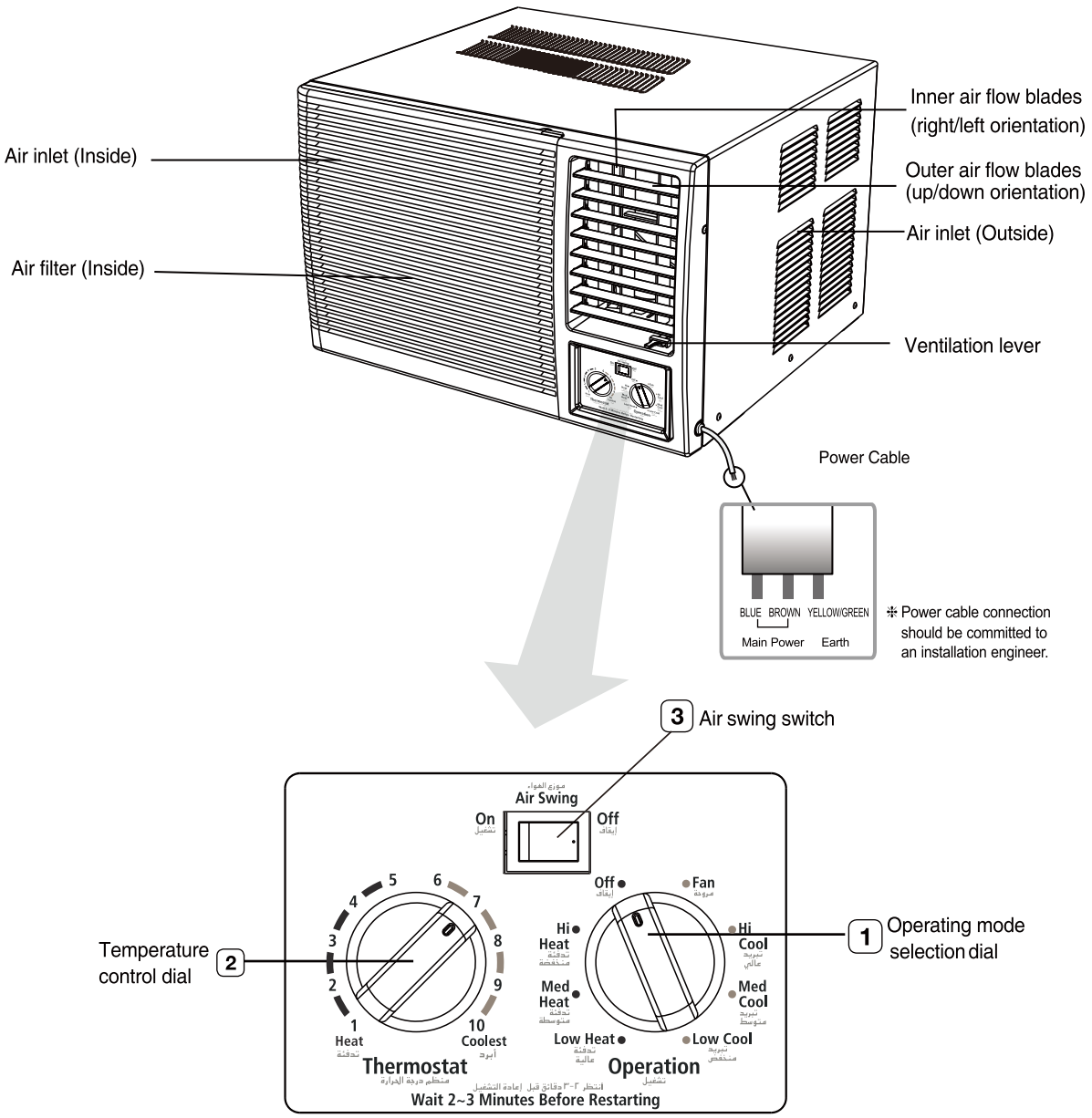
Air Conditioning Unit - Main Parts and Control Panel

❋ The design and shape are subject to change, depending on the model.



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Getting Started

You have just purchased a window-type room air conditioner and it has been installed by your installation specialist.

Your Owner's Instructions contain much valuable information on using your air conditioner. Please take the time to read them as they will help you take full advantage of the unit's features.

The booklet is organized as follows.

- ***The illustration on page 4 shows the air conditioning unit; it indicates the location and purpose of the main parts and controls on the unit.***
- ***In the manual,you will find a series of step-by-step procedures for each function available.***

The illustrations in the step-by-step procedures use four different symbols:

PRESS	**PUSH**	**IMPORTANT**	**NOTE**

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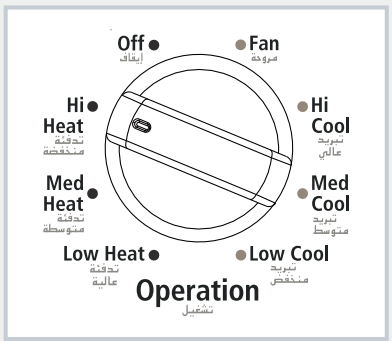
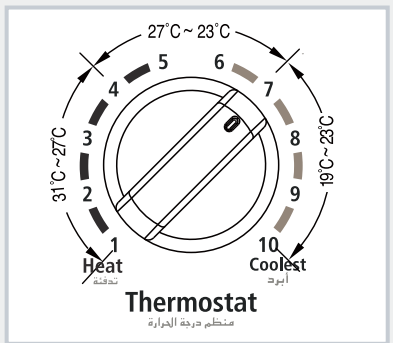
Heating Your Room





You must select the HEAT mode if you wish to higher the temperature in your room.You can also set the fan speed.

1 Select the operating mode and fan speed.

To Heat your room with a...	Set the operating mode selection dial to...
High fan speed	Hi Heat
Med fan speed	Med Heat
Low fan speed	Low Heat

Result:
- ◆ The air conditioner starts up in Heat mode.
- ◆ The fan starts up at the speed selected.

➢ You can change modes at any time.

2 To adjust the temperature, turn the temperature control dial to the red position.(Left side)

Result:
- ◆ The air conditioner is starts heating, if room temperature is lower than selected temperature.

3 To control the direction of the air flow, refer to page 9.

DB98-31980A.indd 6 2010-02-09 7:51:52

Cooling Your Room

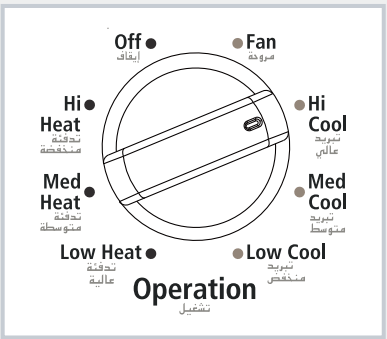
You must select the Cool mode if you wish to lower the temperature in your room.You can also set the fan speed.

1 Select the operating mode and fan speed.

To cool your room with a...	Set the operating mode selection dial to...
High fan speed	Hi Cool
Med fan speed	Med Cool
Low fan speed	Low Cool

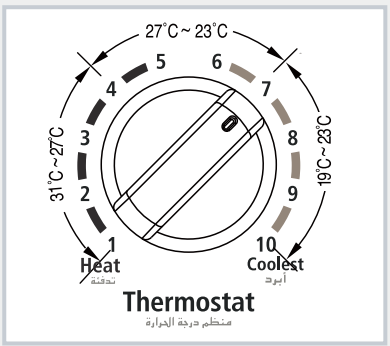
Result:
- ◆ The air conditioner starts up in Cool mode.
- ◆ The fan starts up at the speed selected.

➢ You can change modes at any time.



2 To adjust the temperature, turn the temperature control dial to the black position.(Right side)

Result:
- ◆ The air conditioner is started cooling if room temperature is higher than selected temperature.



3 To control the direction of the air flow, refer to page 9.

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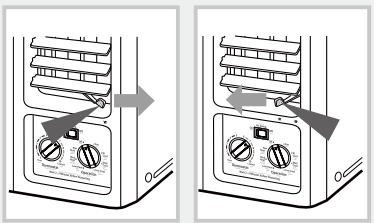
Airing Your Room

If the atmosphere in your room is stale, you can air it using the Fan feature and if necessary, evacuate the stale air outside.

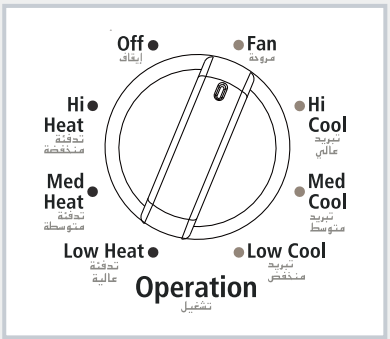


1 If you wish to evacuate stale air outside, push the ventilation lever on the front of the unit to the right.

Result: The air inside the room circulates and stale air is evacuated outside.

Otherwise, push the ventilation lever to the left.

Result: The air simply circulates inside the room.



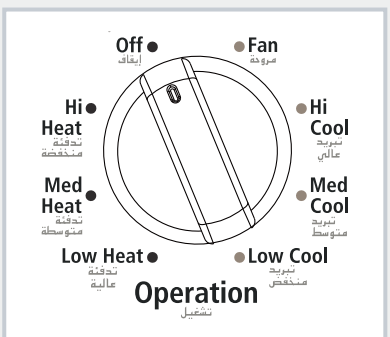
2 Set the operating mode selection dial to the **Fan** position.

Result: ◆ The air conditioner starts up in Fan mode.

3 To control the direction of the air flow, refer to page 9.

Switching the Air Conditioner Off

You can switch the air conditioner off whenever you want.



1 To switch the unit off, simply set the operating mode selection dial to the **off** position.

Result: The air conditioner stops operating.

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Adjusting the Air Flow Direction Horizontally

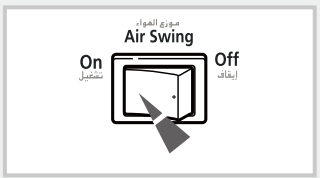
Depending on the position of the unit in your room, you can adjust the orientation of the inner air flow blades on the right-hand side of the unit, thus increasing the efficiency of the air conditioner.

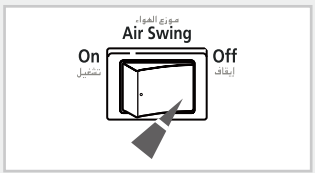
1 Set the air swing switch to the on position.

Result: The inner blades swing automatically left and right.

2 To stop the blades moving left and right, set the air swing switch to the **off** position.

➢ To stop the blades in a specific position and orient the air flow in the corresponding direction, simply set the switch to the **off** position when the blades are in the desired position.





Adjusting the Air Flow Direction Vertically

Again depending on the position of the unit in your room, you can adjust the orientation of the outer air flow blades on the right-hand side of the unit.

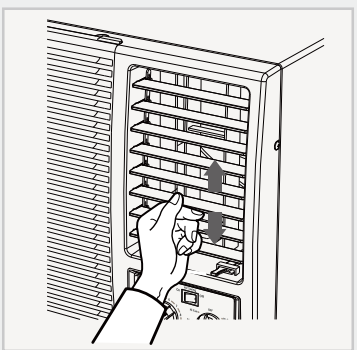
RECOMMENDATION

When...	Adjust the blades to face...
Cooling	Upwards.
Heating	Downwards

Adjust the air flow blades to the desired position, by pushing them upwards or downwards.

➢ If you orient the air flow blades downwards and the unit operates in Cool mode for a long periods of time, dew may:

- Form on the surface of the blades
- Drip form the blades



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Operating Recommendation

Here are a few recommendations that you should follow when using your air conditioner.

Topic	Recommendation
Warm air circulation	The air conditioner circulates warm air to heat your room; as a result,some time will be required after starting the air conditioner to warm the entire room.If necessary, set the air conditioner going a short time before you wish to use the room.
Power failure	If a power failure occurs when the air conditioner is operating, the unit is switched off.When the power returns, the air conditioner starts up again automatically.

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Temperature and Humidity Ranges

The following table indicates the temperature and humidity ranges, within which the air conditioner can be used .

Mode	Indoor Temperature	Outdoor Temperature	Indoor Humidity
Heating	28°C or less	0°C to 21°C approx.	-
Cooling	21°C to 32°C approx.	21°C to 52°C approx.	80% or less

If the air conditioner is used at...	Then...
Higher temperatures	The automatic protection feature may be triggered and the air conditioner stopped.
Lower temperatures	A water leakage or some other malfunction may happen if the heat exchanger freezes.
Higher humidity levels	Water way condense on and drip from the surface of the unit if it is used for long periods.

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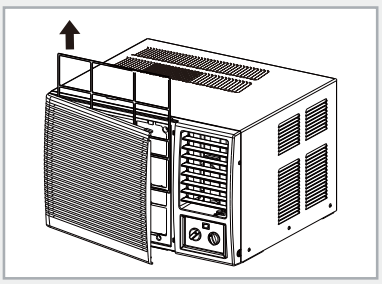
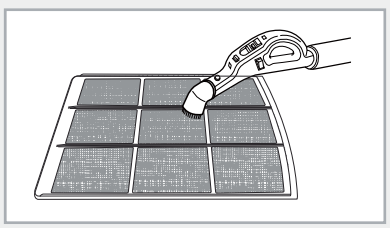
Cleaning Your Air Conditioner





Be sure to clean the air filter periodically two weeks to maintain the air conditioner in the best condition for a long period of time.

IMPORTANT ***When cleaning the air conditioner,turn it off and pull out the power plug.***

DO NOT operate the air conditioner without a filter because dirt and lint will clog it and reduce performance.

1	Open the front grille and pull the air filter out.
2	Remove all dust on the air filter with a vacuum cleaner or brush.
3	When you have finished, insert the air filter back into its original position.
4	Wipe the surface of the unit with a neutral detergent and then wipe it again with dry cloth. (Be sure not to use benzene, solvent or other chemical products.)

➢

If you...	Then...
Will not be using the air conditioner for a long period of time	◆ Set the fan going for three to four hours to dry the inside of the air conditioner thoroughly. ◆ Switch the air conditioner off and unplug it from the wall socket. ◆ Clean the filter and outer surfaces.
Have not used the air conditioner for a long period of time	Set the fan going for a few hours to dry the inside of the air conditioner thoroughly.

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Solving Common Problems

Before contacting the after-sales service,perform the following simple checks.
They may save you the time and expense of an unnecessary service call.

Problem	Explanation/Solution
The air conditioner does not operate at all	◆ Check that the circuit breaker used for the air conditioner has not been triggered. ◆ Check that the power cable is plugged into a wall socket and the socket is switched on, if necessary. ◆ Check that the correct operating mode has been selected (COOL,HEAT or FAN)
The air conditioner does not cool	◆ Check that the correct operating mode has been selected. ◆ The room temperature may be too low or too high. ◆ Dust may be blocking the air filter; refer to page 12 for cleaning instructions. ◆ Check that there is no obstacle blocking the air flow into or out of the unit.
The air flow direction does not change when you set the air swing switch to the **on position**	◆ Check that the air conditioner has been switched on; if necessary, turn the operating mode selection dial;
Odours is permeated in the room during air conditioning	◆ Air the room.

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Method of Installation

Before installation, be sure to check the installation area for the air conditioner,and installation method of the drain hose.

Checkpoints prior to installation

1 Check the cabinet and front grille of the unit for any harmful defects such as scratches.

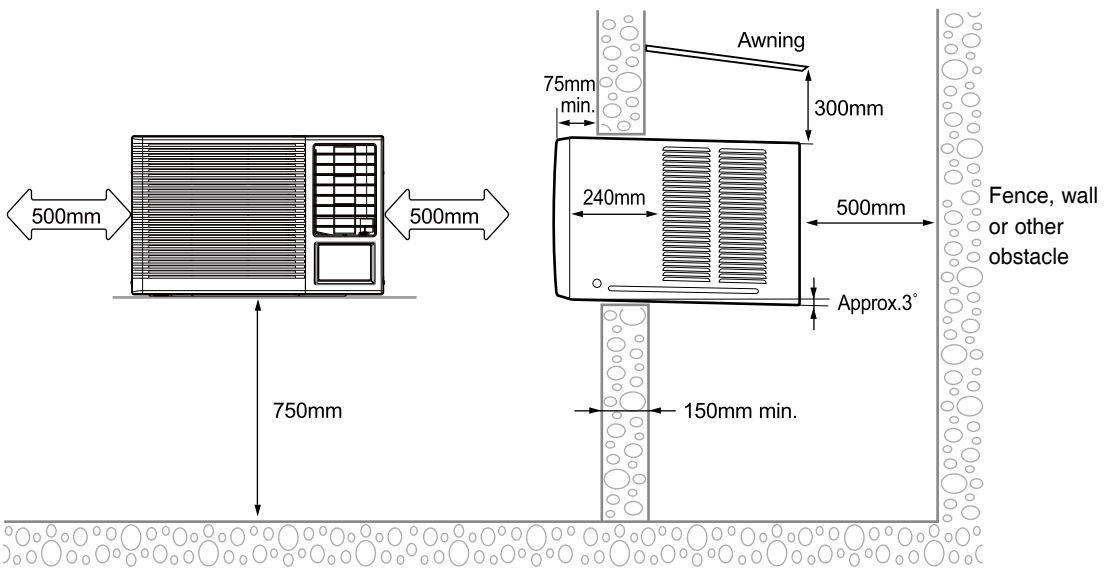
2 Be sure to check the power supply.
- Refer to the specifications on the label attached to the unit.

Installation Conditions

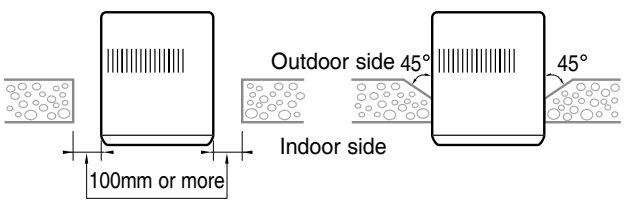
1 As the unit is heavy, the wall or window of the installation area should have sufficient strength and durability for operation of the air conditioner, and for prevention of any vibration or noise.
If it is weak, reinforcement work should be performed separately.

2 It is advisable to install the air conditioner in the north or west side to prevent the effect of direct sunlight.
When installing it in the south or east side due to unavoidable circumstances, it is advisable to install the sunshade to prevent the direct sunlight.
In this case, take care not to cause any hindrance to the flow of outside air.

3 When installing the air conditioner, be sure to obtain sufficient space on the rear side of the unit for smooth flow of air.
When operating the air conditioner in closed areas such as inner building with cooling operation, and result in trouble with the unit.
See the illustration below.



- The minimum clearance from the heater to combustible surfaces is 52mm.
- If the wall is greater than 150mm thick, cut the wall back on a 45° angle if possible.



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Method of Installation(Cont.)

Installation of the Drain Tube

Fix the drain tube as shown in the figure.

There are two ways to handle the condensing water.Please make your choice according to your needs.

Method I:

Block the drainage hole on one side of the unit base with a rubber stopper so as to let the condensing water flow out from the rear drainage hole of the unit. (as shown in Figure 2-1).

a) When this method is adopted, the condensing water in the base plate cannot be drained completely. The remaining water may improve the heat dispersing effect of the unit, but with louder noise. (Figure 2-2).

b) Installation of drainage tube: Install the sealing ring to the drainage tube and align the tube with the rear drainage for 90 degrees and then clamp it firmly (Figure 2-2).

Method II:

The condensing water flows out from the drainage hole at the base plate of the unit

a) When this method is adopted, the condensing water in the base plate can be drained completely, which helps to prevent from rusting. There will be no noise of water splashing. But the air conditioner has to be raised to a certain height in installing so that the water containing plate can be placed between the base of the unit and the supporting platform.

b) Installation of the water containing plate: Use a rubber stopper to block the drainage hole at the rear of the unit and place in the water containing plate (Figure 2-3).

Figure 2-1

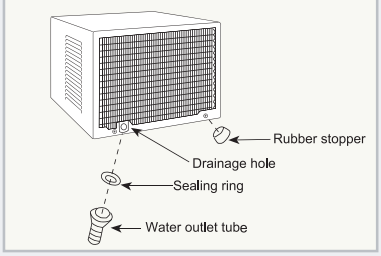


Figure 2-2

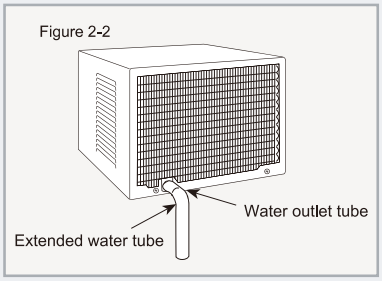
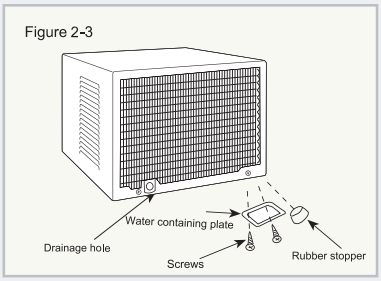


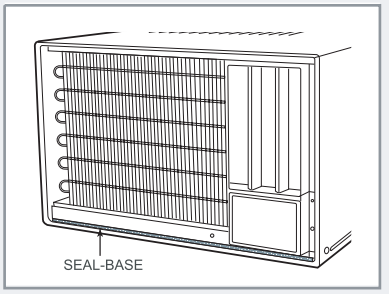
Figure 2-3



If the air conditioner has accessory seal ,please install the seal as shown in the figure

Installation of the accessory seal

Seal Base (T10 , W 25mm , L 620mm Qty-1)



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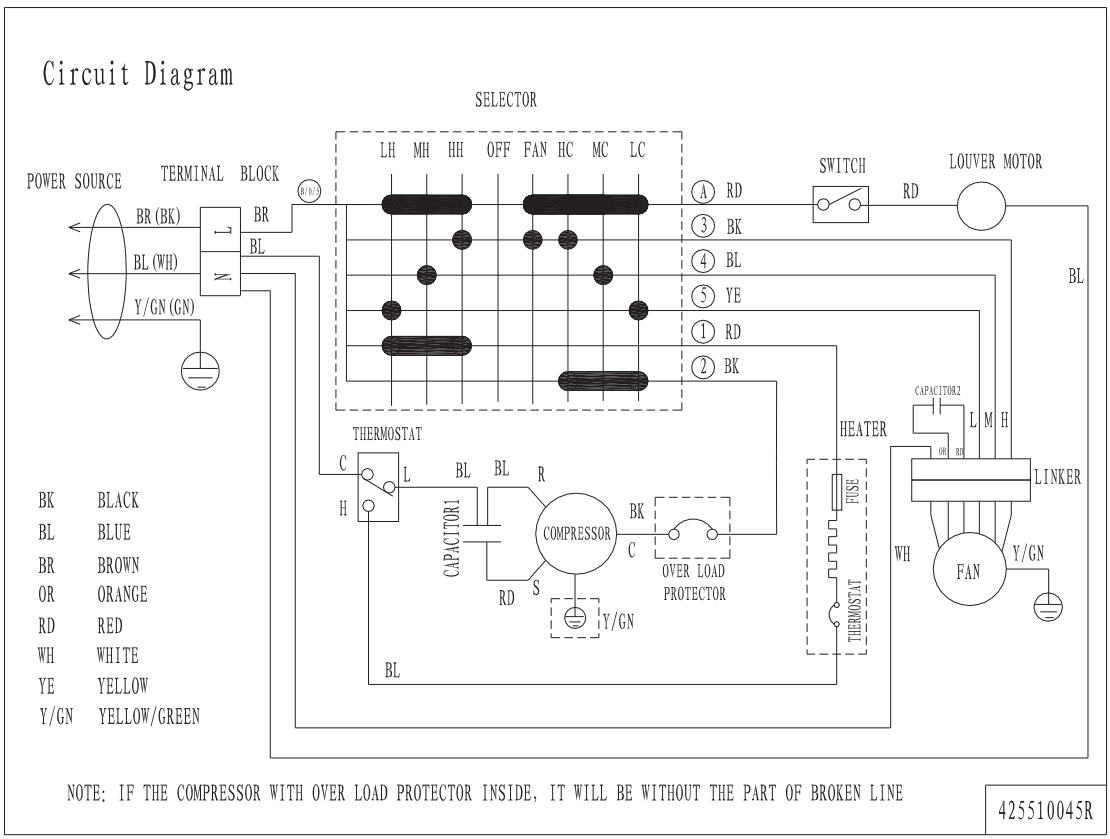
SPECIFICATION

MODEL			AW18ETSDAWQ			
STANDARD			ISO		SASO	
CAPACITY	COOL		18000 BTU/h		3654 Kcal/h	
	HEAT		-		-	
SOURCE			220V ~ , 60Hz			
CURRENT	COOL		10.0 A		12.0 A	
	HEAT		-		-	
POWER INPUT	COOL		2200 W		2550 W	
	HEAT		-		-	
REFRIGERANT	KIND		R22			
	QUANTITY		560 g			
TEMPERATURE	INDOOR	DB (C/H)	27°C	-	29°C	-
		WB (C/H)	19°C	-	19°C	-
	OUTDOOR	DB (C/H)	35°C	-	46°C	-
		WB (C/H)	24°C	-	24°C	-
HEATER	POWER INPUT		3.25KW			
	CURRENT		15.0A			
WEIGHT	NET		53.0Kg			
	CROSS		58.0Kg			
DIMENSIONS	WIDTH/HEIGH		622/425mm			

The ISO means T1 condition, SASO means T3 condition.

ELECTRICAL CONNECTIVITY DIAGRAMS



QUESTIONS OR COMMENTS?

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